

Cisco Certified Network Professional (CCNP) Collaboration Boot Camp (CS-CCNP-Collaboration)

Modality: Virtual Classroom

Duration: 14 Days

SUBSCRIPTION: No

About the course:

This Boot Camp has been especially designed by QuickStart to help you in preparing for the Cisco CCNP certification. This credential is a job role based certification which distinguishes the unified communication and Cisco collaboration network engineers, capable of designing, implementing, configuring as well as troubleshooting the Cisco Collaboration and unified communications devices, applications and networks. These Network Professionals usually support video, voice, as well as messaging applications across corporate networks. This is a three year program, and this exam consists of exam vouchers which help in preparing for;

- 300-070 CIPTV1
- 300-075 CIPTV2
- 300-080 CTCOLLAB
- 300-085 CAPPs

A Cisco certified Professional Network Administrator can earn up to **\$126,807/-** on average, per annum.

This boot camp is inclusive of the below mentioned courses;

- Implementing Cisco IP Telephony & Video, Part 1 v1.0
- Implementing Cisco IP Telephony and Video, Part 2 (CIPTV2) 1.0 (CS-CIPTV2)
- Troubleshooting Cisco IP Telephony and Video (CTCOLLAB)
- Integrating Cisco Unified Communications Applications v8.0 (CS-CAPPs)

Course Objectives:

Once the course is complete, those enrolled in this course will be able to;

- Explain what a Cisco Unified Communication Manager's role is within a Cisco collaboration

solution, which includes understanding of the architectures, implementation, functions, along with redundancy options as well as endpoint deployments, users and Cisco IP Phone services.

- Explain what dial plans are, along with their functions and purpose.
- Describe the deployment process of on-cluster calling.
- Explain the configuration of MGCP, Sip, and H.323. The module consists of an explanation on the process of developing dial plans which support inbound as well as outbound off-cluster calling for numbers and URLs.
- Explain the different types of media resources that are supported by configuration of CUCM server software-centric media sources, Cisco Unified Communications Manager, along with the deployment of Cisco Hardware-Centric Media Sources.
- Explain the process of deploying the audio and video conferencing devices that can be utilized in addition to the Cisco Unified Communications Manager, in built CUCM software audio bridge, IOS based Cisco audio and video conferencing bridges, along with Cisco TelePresence Conference products, inclusive of Cisco TelePresence Conductor, Cisco TelePresence MSE 8,000, and Cisco TelePresence MCU.

Audience:

This course is intended to be undertaken by;

- System Engineers
- Network Engineers and Network Administrators
- CCNP Collaboration Candidates

Pre-requisites

Any valid Cisco CCIE or CCNA Collaboration certification can serve the purpose of a pre-requisite. In order to complete the CCNP Collaboration certification, candidates must go through the recommended exams and training.

Course Outline:

- **Module 1: Cisco Unified Communications Manager Introduction**
- **Module 2: Dial Plan Introduction and Implementation of Single- Site On-Cluster Calling**
- **Module 3: Implementation of Single-Site Off-Cluster Calling**
- **Module 4: Media Resources**
- **Module 5: Audio and Video Conferencing**
- **Module 6: Quality of Service**

- **Module 7: Multisite Deployment Implementation**
- **Module 8: Centralized Call- Processing Redundancy Implementation**
- **Module 9: Bandwidth Management and CAC Implementation**
- **Module 10: Implementation of Features and Applications for Multisite Deployments**
- **Module 11: Cisco VCS and Cisco Expressway**
- **Module 12: GDPR and CCD**
- **Module 13: Introduction to Troubleshooting Cisco Collaboration Solutions**
- **Module 14: Cisco Unified Communications Manager Troubleshooting**
- **Module 15: Cisco VCS Control and VCS Expressway Troubleshooting**
- **Module 16: Call Setup Issues**
- **Module 17: ILS and GDPR Issues**
- **Module 18: Cisco Unified Communications Manager Mobility Features**
- **Module 19: Cisco TelePresence Management Suite Issues**
- **Module 20: Voice Quality and Media Resources Issues**